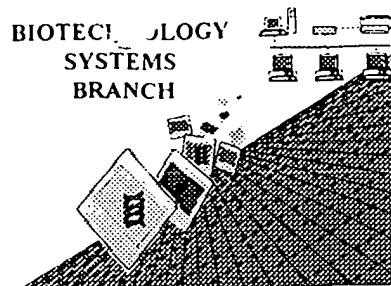


0280



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/771,536

Source: OIPE

Date Processed by STIC: 2-9-01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING DATE: 02/09/2001
PATENT APPLICATION: US/09/771,536 TIME: 11:18:26

Input Set : A:\es.txt
Output Set: N:\CRF3\02092001\I771536.raw

1 <110> APPLICANT: Langridge, William Yu, Jie
W--> 2 <120> TITLE OF INVENTION: Transgenic Plant-Based Vaccines<130> 12273-3<140> to be
W--> 3 <140> CURRENT APPLICATION NUMBER: US/09/771,536
W--> 0 <130> FILE REFERENCE:
C--> 3 <141> CURRENT FILING DATE: 2001-01-29

ERRORED SEQUENCES

20 <210> SEQ ID NO: 2<211> 36<212> DNA<213> primer<400> 2
E--> 21 gctctagagc caccatgatt aaattaaaat ttggtg

Does Not Comply
Corrected Diskette Needed

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see p. 2

SEQUENCE LISTING<110> Langridge, William Yu, Jie

Arakawa, Takeshi<120> Transgenic Plant-Based Vaccines<130> 12273-3<140> to be assigned<141> 2001-01-29<160> 15<170> PatentIn version 3.0<210> 1<211>

376<212> DNA<213> Vibrio cholerae<400> 1
 atgattaaat taaaatttgg tgtttttttt acagttttac tatcttcagc atatgcacat 60
 ggaacacctc aaaatattac tgatttgtgt gcagaatacc acaacacaca aatacatacg 120
 ctaaatagata agatattgtc gtatacagaa tctctagctg gaaacagaga gatggctatc 180
 attactttta agaatggtgc aacttttcaa gtagaagtac caggtagtca acatatagat 240
 tcacaaaaaa aagcgattga aaggatgaag gataccctga ggattgcata tcttactgaa 300
 gctaaagtcg aaaagttatg tgtatggaat aataaaacgc ctcatgcgat tgccgcaatt 360
 agtatggcaa attggc 376

format errors
 enter "hard returns"
 where arrows
 indicate.

This error
 occurs through-
 out the
 sequence
 listing.

Please check
 and
 correct.

Seq #2 <210> 2<211> 36<212> DNA<213> primer<400> 2
 gctctagagc caccatgatt aaattaaaat ttggtg 36

Seq #3 <210> 3<211> 41<212> DNA<213> primer<400> 3
 ctggagctcg ggccccggcc catttgccat actaattgcg g 41

Seq #4 <210> 4<211> 391<212> DNA<213> Vibrio cholerae plus artificial sequence<400>

which? see below

<220>
 <223>

In sequences 2 and 3 above the <213> response,
 primer is not valid. Valid <213> responses are:

- Genus species of organism
- Artificial sequence
- Unknown sequence

Unknown and Artificial sequences must be followed
 by <220>, <223> features to explain the source of
 genetic material in the sequences. <220> is a mandatory
 blank line feature, <223> is the explanation feature.

* note: primer would be a valid <223> response.

→ The types of errors shown exist throughout the Sequence Listing. Please check
 subsequent sequences for similar errors.

VERIFICATION SUMMARY DATE: 02/09/2001
PATENT APPLICATION: US/09/771,536 TIME: 11:18:27

Input Set : A:\es.txt
Output Set: N:\CRF3\02092001\I771536.raw

L:2 M:283 W: Missing Blank Line separator, <120> field identifier
L:3 M:282 W: Numeric Field Identifier Missing, <140> CURRENT APPLICATION NUMBER: is Added.
L:0 M:201 W: Mandatory field data missing, FILE REFERENCE
L:3 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:21 M:252 E: No. of Seq. differs, <211>LENGTH:Input:0 Found:36 SEQ:2